

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (original) A fuel cell, comprising:

a pair of MEA's separated from each other by a distance, each MEA having an anode side and a cathode side;

a bipolar plate assembly located between the anode side of one of the pair of MEA's and the cathode side of the other of the pair of MEA's, the bipolar plate assembly having:

a first sub-plate with a flow channel which is open to the anode side of the one of the pair of MEA's;

a second sub-plate with a flow channel which is open to the cathode side of the other of the pair of MEA's, the first sub-plate and the second sub-plate being nested together to form a coolant flow channel between the first and second sub-plates.

2. (original) A fuel cell according to Claim 1, wherein the flow channel of the first sub-plate and the flow channel of the second sub-plate are laterally centered with respect to each other to form a plurality of coolant flow channels.

3. (original) A fuel cell according to Claim 2, wherein the flow channels have a surface area and wherein the combined surface area of the plurality of coolant flow channels is greater than the surface area of the flow channel which is open to the cathode side or the surface area of the flow channel which is open to the cathode side.

4. (original) A fuel cell according to Claim 1, wherein the second sub-plate includes a plurality of flow channels open to the cathode side which correspond to the flow channel of the first sub-plate open to the cathode side.

5. (original) A fuel cell according to Claim 1, wherein the coolant flow path has a height dimension which is substantially within a height dimension of the cathode flow path, the anode flow path or both.

6. (original) A fuel cell according to Claim 1, wherein at least one of the flow channel which is open to the anode side or the flow channel which is open to the cathode side, or both provide a serpentine flow path.

7-20. (cancelled)